

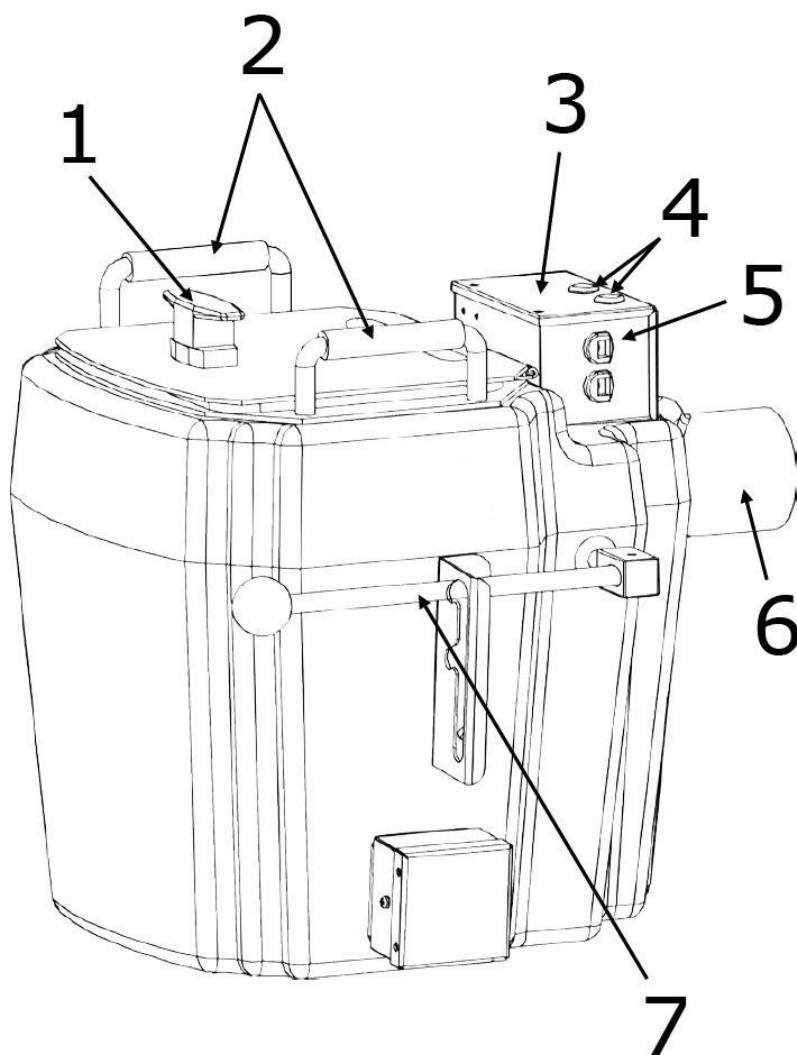
LX504

MINI DRY ICE – 3000 W



USER MANUAL





USER MANUAL

1. Introduction

To all residents of the European Union

Important environmental information about this product



This symbol on the device or the package indicates that disposal of the device after its lifecycle could harm the environment. Do not dispose of the unit (or batteries) as unsorted municipal waste; it should be taken to a specialized company for recycling. This device should be returned to your distributor or to a local recycling service. Respect the local environmental rules.

If in doubt, contact your local waste disposal authorities.

Thank you for choosing Luxibel®! Please read the manual thoroughly before bringing this device into service. If the device was damaged in transit, do not install or use it and contact your dealer.

2. Safety Instructions

	<p>This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.</p> <p>Children shall be supervised to ensure that they do not play with the appliance.</p> <p>Never let the machine operate while unattended.</p>
	<p>Warning: If the supply cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons in order to avoid any hazard.</p> <p>Do not use the device when damage to housing or cables is noticed. Do not attempt to service the device yourself but contact an authorised dealer.</p> <p>Make sure that the available voltage does not exceed the voltage stated in the specifications of this manual.</p> <p>This device falls under protection class I. It is therefore essential that the device be earthed. Have a qualified person carry out the electric connection.</p>
	<p>Disconnect the device from the mains to clean it, to fill the reservoir, or when it is not in use. Handle the power cord by the plug only.</p>
	<p>This device is not waterproof. Keep this device away from rain, moisture, splashing and dripping liquids. Never put objects filled with liquids on top of or close to the device.</p> <p>If moisture, water, or smoke liquid gets inside the housing, stop using the device immediately.</p> <p>Do not immerse the device in any liquid.</p>
	<p>Caution: device heats up during use. Do not touch hot surfaces. Let the device cool down sufficiently after switching off before handling.</p> <p>Never cover the device and do not install it on a carpet or wooden floor.</p>
	<p>Keep this device away from dust and extreme temperatures. Make sure the ventilation openings are clear at all times. For sufficient air circulation, leave at least 0.5 m on all sides. Make sure the air inlet is free at all times, and clean the filter periodically.</p> <p>The maximum ambient temperature is 40 °C. Do not operate the device at higher temperatures.</p>
	<p>Install the device in a well-ventilated place, at a minimal distance of 0.5 m from flammable and explosive objects or substances.</p>
	<p>Make sure the smoke outlet is free at all times. Never aim the outlet directly at humans or animals. Keep the outlet at a minimum distance of 0.5 m from any obstacle.</p>
	<p>Protect this device from shocks and abuse. Avoid brute force when operating the device.</p>

3. General Guidelines

Refer to the **Velleman® Service and Quality Warranty** on the last pages of this manual.

- Familiarise yourself with the functions of the device before actually using it. Do not allow operation by unqualified people. Any damage that may occur will most probably be due to unprofessional use of the device.
- All modifications of the device are forbidden for safety reasons. Damage caused by user modifications to the device is not covered by the warranty.
- Only use the device for its intended purpose. All other uses may lead to short circuits, burns, electroshocks, lamp explosion, crash, etc. Using the device in an unauthorised way will void the warranty.
- Damage caused by disregard of certain guidelines in this manual is not covered by the warranty and the dealer will not accept responsibility for any ensuing defects or problems.
- A qualified technician shall install and service this device.
- Use an appropriate safety cable to fix the device (e.g. VDLSC7N or VDLSC8N).
- Do not switch the device on immediately after it has been exposed to changes in temperature. Protect the device against damage by leaving it switched off until it has reached room temperature.
- This device is designed for professional use on stage, in discos, theatres, etc. The device shall only be used indoors with an alternating current of 230 VAC, 50 Hz.
- Fog machines are not designed for permanent operation: regular operation breaks will prolong their lives. Permanent pumping may overheat and damage the pump. A duty cycle of 30 % is advisable.
- Depending on the amount of fog or haze that is produced, the device may set off smoke detectors.
- Use the original packaging if the device is to be transported.
- Keep this manual for future reference.

4. Features

The LX504 is the perfect dry ice machine for small mobile events. Just fill with water and dry ice and create a cloud of dense fog. Very easy to transport, easy-to-use as it starts after plugging in the power.

- creates a cloud of dense fog
- small unit, thus very easy to use and to transport
- controllable output via the side handle
- warning sensor for low water and temperature with safety protection for the heating system

5. Overview

Refer to the illustrations on page 2 of this manual.

1	lid with latch
2	carry handles
3	top plate
4	LED indicators

5	power input
6	output nozzle
7	basket/operation lever

6. Operation

6.1 Introduction

The top plate **[3]** has two indicators **[4]** – one red and one green. The red LED indicates that the heater is on, and the green indicates the water is at its optimal operating temperature. The heater will not turn on unless there is enough water.

As the dry ice sublimates, the water will cool and the green LED indicator will turn off. This is normal and the LX504 will continue to operate until the dry ice is used.

Store the dry ice inside the basket for optimal performance. Do not remove this basket as serious bodily injury may occur.



Do not touch the top plate during operation as it becomes very hot!

About Dry Ice

Dry ice is a solid form of carbon dioxide and can reach a temperature as low as -87.5°C . When immersed in hot water, dry ice sublimates and agitates the water. The released cold CO_2 gas causes the water to vapour to form water droplets in the air. This expansion of gas and moisture pushes its way out of the machine. Because CO_2 is cold and heavy, the moisture sinks to the floor. The droplets in the air create the fog effect.



- Do not cover or plug the output nozzle during its operation. Compressing the dry ice will cause a chemical reaction that may lead to an explosion.
- Do not handle dry ice with bare hands. Thick gloves must be worn.
- Do not swallow dry ice. It will lead to severe internal injuries.
- Before breaking the dry ice, cover it with a piece of cloth or place it the block in a cloth bag. Eye protection must be worn.
- Do not use in a confined space. Make sure the room is well ventilated before use.
- Dry ice should never be stored in a sealed container that can lead to a pressure build-up and a risk of explosion.

6.2 Operation

1. Place the LX504 on a level surface and connect the power plug [5] to the mains.
2. Raise the basket to its highest level with the operation lever [7].
3. Open the lid [1] and fill with water until the red light [4] appears. The container can hold up to 8 litres.
4. Using protective gear, load the basket with up to 2.2 kg of dry ice. The dry ice should be loaded at the last possible moment.
5. Close and latch the lid [4].
6. Grab the operating lever [7] and slowly lower the handle to the middle notch for low output, and all the way down for high output.
7. When the output slows or stops, raise and refill the basket.
8. If so desired, use the included hose and extra nozzle.



Water temperature should be about 80°C for optimal fog output. You may need to refill the LX504 with water from time to time. Once refilled, wait for the red LED indicator to come on before repeating steps 4 to 7.

7. Cleaning and Maintenance

The LX504 does not need any particular maintenance. However, some steps are needed in order to clean and to maintain the device in optimal conditions.

1. After use, wait for the machine and any remaining water inside the product to cool.
2. Dump all the cooled water from the internal tank.
3. Wipe the device with a dry cloth.

8. Technical Specifications

power supply	230 VAC, 50 Hz
power consumption	3000 W
heat-up time	17 min.
runtime	± 2.5 min.
re-heat time	10 min.
tank capacity	
dry ice	5 kg
water	8 L
dimensions	415 x 345 x 340 mm
weight	7.5 kg

Use this device with original accessories only. Velleman nv cannot be held responsible in the event of damage or injury resulting from (incorrect) use of this device. For more info concerning this product and the latest version of this manual, please visit our website www.luxibel.com. The information in this manual is subject to change without prior notice.

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Velleman® Service and Quality Warranty

Since its foundation in 1972, Velleman® acquired extensive experience in the electronics world and currently distributes its products in over 85 countries.

All our products fulfil strict quality requirements and legal stipulations in the EU. In order to ensure the quality, our products regularly go through an extra quality check, both by an internal quality department and by specialized external organisations. If, all precautionary measures notwithstanding, problems should occur, please make appeal to our warranty (see guarantee conditions).

General Warranty Conditions Concerning Consumer Products (for EU):

- All consumer products are subject to a 24-month warranty on production flaws and defective material as from the original date of purchase.
- Velleman® can decide to replace an article with an equivalent article, or to refund the retail value totally or partially when the complaint is valid and a free repair or replacement of the article is impossible, or if the expenses are out of proportion.

You will be delivered a replacing article or a refund at the value of 100% of the purchase price in case of a flaw occurred in the first year after the date of purchase and delivery, or a replacing article at 50% of the purchase price or a refund at the value of 50% of the retail value in case of a flaw occurred in the second year after the date of purchase and delivery.

• Not covered by warranty:

- all direct or indirect damage caused after delivery to the article (e.g. by oxidation, shocks, falls, dust, dirt, humidity...), and by the article, as well as its contents (e.g. data loss), compensation for loss of profits;
- consumable goods, parts or accessories that are subject to an aging process during normal use, such as batteries (rechargeable, non-rechargeable, built-in or replaceable), lamps, rubber parts, drive belts... (unlimited list);
- flaws resulting from fire, water damage, lightning, accident, natural disaster, etc....;
- flaws caused deliberately, negligently or resulting from improper handling, negligent maintenance, abusive use or use contrary to the manufacturer's instructions;
- damage caused by a commercial, professional or collective use of the article (the warranty validity will be reduced to six (6) months when the article is used professionally);
- damage resulting from an inappropriate packing and shipping of the article;
- all damage caused by modification, repair or alteration performed by a third party without written permission by Velleman®.
- Articles to be repaired must be delivered to your Velleman® dealer, solidly packed (preferably in the original packaging), and be completed with the original receipt of purchase and a clear flaw description.
- Hint: In order to save on cost and time, please reread the manual and check if the flaw is caused by obvious causes prior to presenting the article for repair. Note that returning a non-defective article can also involve handling costs.
- Repairs occurring after warranty expiration are subject to shipping costs.
- The above conditions are without prejudice to all commercial warranties.

The above enumeration is subject to modification according to the article (see article's manual).
